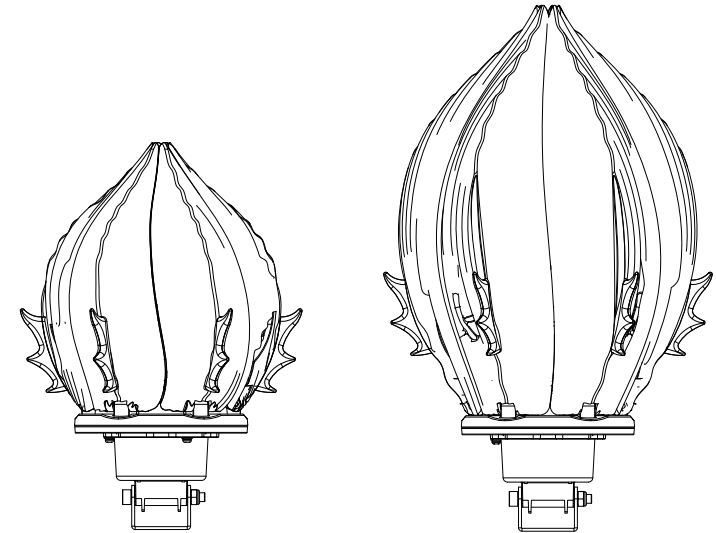


LIGHT SKY[®]

FLY DRAGON LIGHTING EQUIPMENT CO.,LTD

- Lotus mini
- Lotus



LIGHT SKY[®]

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LIGHT SKY[®]



USER MANUAL

Please read these user manual carefully before use

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Congratulations on choosing our company product! We thank you for your custom.

- ◆ Please note that this product, as all the others in the rich my company range, has been designed and made with total quality to ensure excellent performance and best meet your expectations and requirements.
- ◆ Carefully read this user manual in its entirety and keep it safe for future reference. It is essential to know the information and comply with the instructions given in this manual to ensure the fitting is installed, used and serviced correctly and safely.
- ◆ My company disclaims all liability for damage to the fitting or to other property or persons deriving from installation, use and maintenance that have not been carried out in conformity with this user manual, which must always accompany the fitting.
- ◆ My company reserves the right to modify the characteristics stated in this user manual at any time and without prior notice.

SAFETY INFORMATION



- This lighting fixture is for professional use only - it is not for household use;

■ Installation

Make sure all parts for fixing the projector are in a good state of repair. Make sure the point of anchorage is stable before positioning the projector. The safety chain must be properly hooked onto the fitting and secured to the framework. When suspending the fixture, ensure that the supporting structure and all hardware used can hold at least 10 times the weight of all the devices they support.



■ Mounting surface and fire protection

Please do not install the fixture onto combustible surface.

Keep all combustible materials at least 60cm away from the fixture.



- Do not expose the LED chip to sunlight or other strong light source from any angle.

ta40°C



■ Maximum ambient temperature

The fixture is intended for indoor application.

Do not operate the fixture if the ambient temperature (T_a) exceeds 40°C.



■ Protection against electrical shock

Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1).

It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

■ Connection to mains supply

The double insulation between the LV power supply and the control conductor on the fixture. Connection to the electricity mains must be carried out by a qualified electrical installer.

Check that the mains frequency and voltage correspond to those for which the projector is designed as given on the electrical data label.

This label also gives the input power to which you need to refer to evaluate the maximum number of fittings to connect to the electricity line, in order to avoid overloading.

Don't use the power cable when the insulation is damaged.

It must be the manufacturer or distributor or the professional person to change the damaged power cable in order to avoid any dangerous.



t_c 60 °C



■ **Temperature of the external surface**

The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 60°C about. Avoid contact by persons and materials. Allow the fixture to cool for at least 5 minutes before handling.



■ **Maintenance**

Before starting any maintenance work or cleaning the projector, cut off power from the mains supply. After switching off, do not remove any p



■ **The light source**

The light source in this fixture shall be replaced by the manufacturer or its service agent or similar qualification. Always disconnect from mains before replacing the light.



■ **Protection against explosion**

The protection screen, lens or ultraviolet screen on the lamp can be damaged to the degree of failure if visible damage, such as a crack or deep mark, should be replaced.



■ **Protection optical radiation**

Never look directly into the light source. You risk injury to your retina, which may induce blindness. Do not look at LEDs with magnifiers, telescopes, binoculars or similar optical instruments that may concentrate the light output.



The products referred to in this manual conform to the European Community Directives to which they are subject:

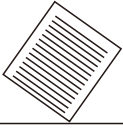



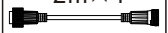
Low Voltage 2014/35/EU

Electromagnetic Compatibility 2014/30/EU

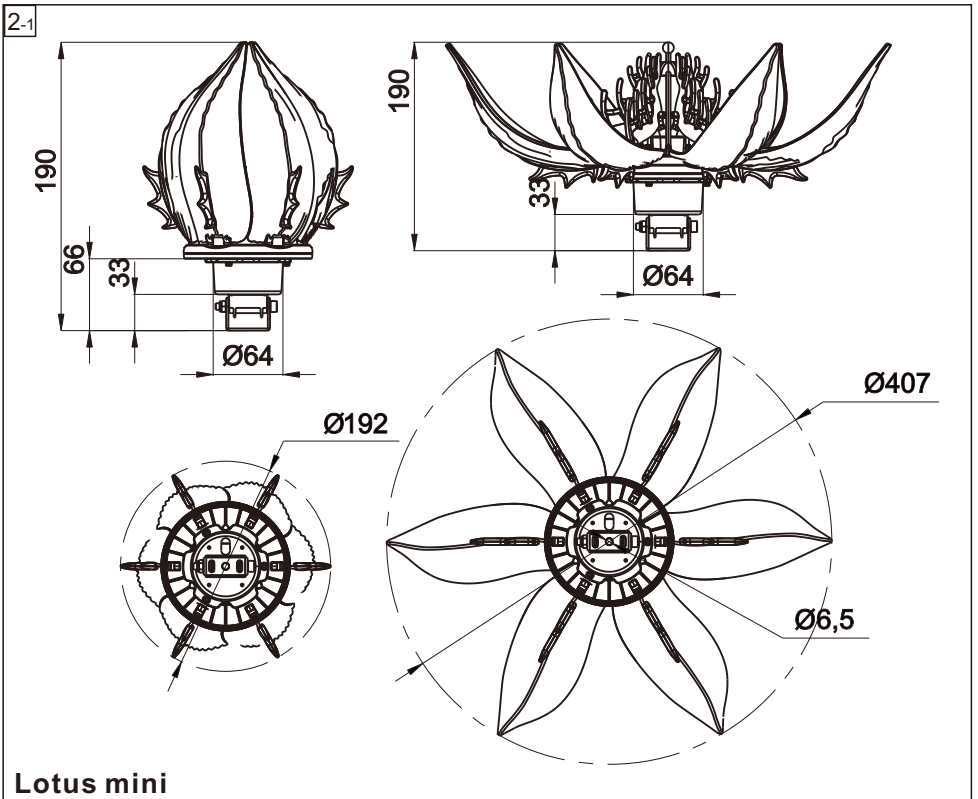
TECHNICAL INFORMATION

- Power supplies available: 100-240V 50/60Hz
- Power consumption: 25W×4
- Power in connector : Neutrik power
- DMX data in/out : Locking 3-pin XLR
- Source
 - 12pcs 0.8W RGBW LED
 - Light source power: 12X0.8=9.6W
 - LED life expectancy :60000 h
- Optics
 - Optic integrated with LEDs
 - Light is reflected through high-transmittance PC material
- Movement
 - Mechanization opening and closing 135°
- Dynamic effects
 - Mechanical opening and closing dynamic effect
 - Colour mixing mode : RGBW Color mixing mode.
 - Dimmer :
 - 0-100% Smooth linear LED dimming
 - Strobe Effect
 - 1-30Hz shutter/strobe effect with variable speed
 - Random strobe effect with variable speed
 - Preset pulse strobe effect
- Control System
 - DMX512, master-slave or auto operation
- Control channels: 9CH, See the channel table for details
- Software Update
 - Software up-datable through DMX connectors
- Display : 4 bit digital tube
- Thermal specification
 - Maximum ambient temperature: 40 °C
 - Maximum housing temperature: 60 °C
 - Minimum operating temperature: -20 °C
- Protection: IP20
- Housing
 - Moulded fire proof ABS PC ABS PC
- Cooling System: Natural heat dissipation.
- Approvals :
 - In conformity with the European Union Low Voltage Directive 2014/35/EU and Electromagnetic compatibility
 - Executive standard: GB 7000.1-2015 \GB7000.217 - 2008
- Light size:
 - Lotus mini:Open size: Φ192X190MM, Closed size: Φ407X190MM
 - Lotus:Open size: Φ225X358MM, Closed size: Φ570X232MM
 - Control box: 330X158X72MM
- Carton packing size and weight
 - 241X241X277MM(Lotus mini single pack) N.W.: 0.7Kg , G.W.:1. 5Kg
 - 276X276X372MM(Lotus single pack) N.W.: 1.0Kg , G.W.:1. 8Kg
 - 456X256X272MM(control box) N.W.: 1. 4Kg , G.W.:3.5Kg

ATTACHMENT AND BODY SIZE

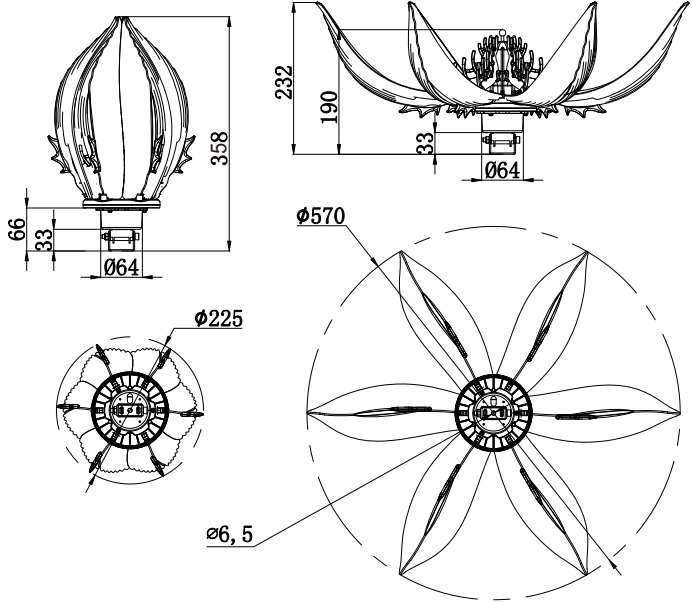
1	USER MANUAL 	WARRANTY CARD 	power cord 1.5m×1 	DMX CABLE 3m×1 	12 core connection cable 2m×4 
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Attachment contents- Fig. 1



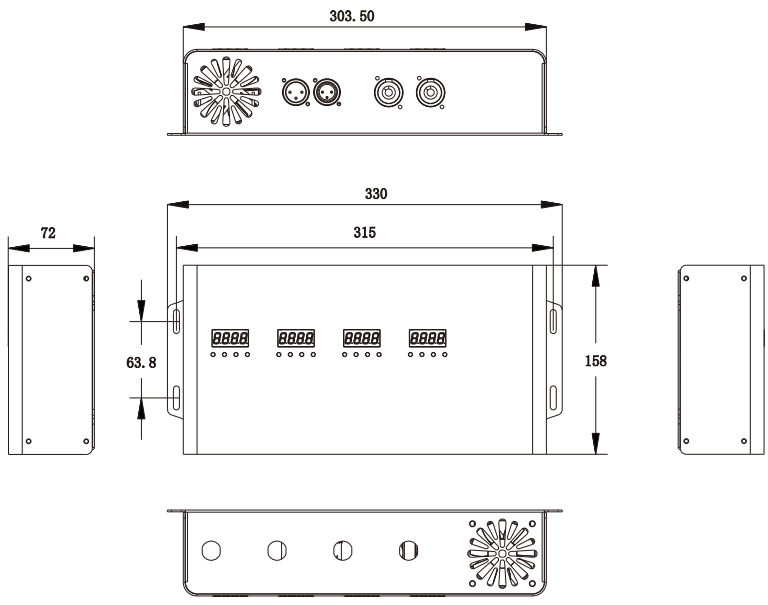
Body Size---Fig 2

2-2



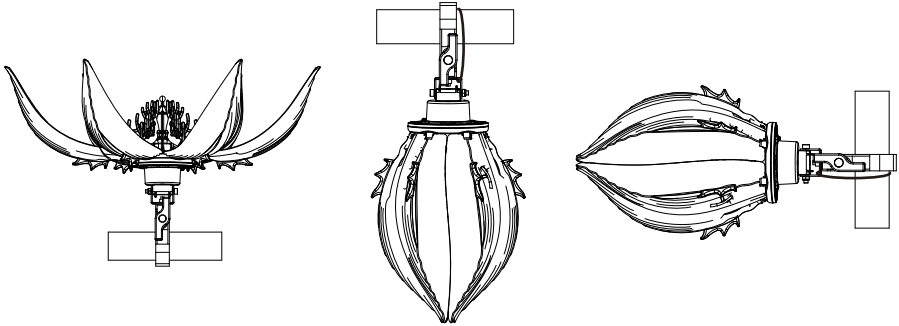
Lotus

2-3



INSTALLATION AND CONNECTING

3



Installing the projector- Fig. 3

The projector can be installed on the floor resting by means of brackets, on a truss or on the ceiling or wall.
WARNING:with the exception of when the projector is positioned on the floor, the safety rope must be fitted. This must be securely fixed to the support structure of the projector and then connected to the fixing point at the centre of the base.

Make sure all parts for fixing the projector are in a good state of repair.

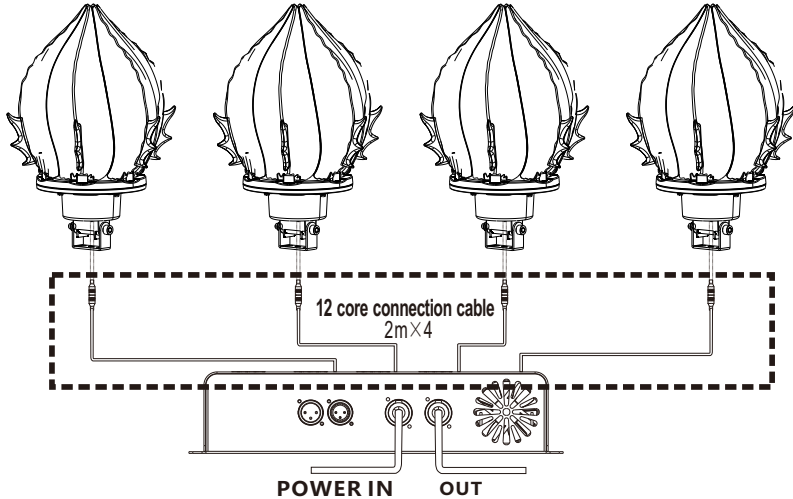
Make sure the point of anchorage is stable before positioning the projector.

When suspending the fixture, ensure that the supporting structure and all hardware used can hold at least 10 times the weight of all the devices they support.

Our company is fully operational in any mounting position, hanging upside-down, side mounted, or set on a flat level surface, etc. Be sure this fixture is kept at least 0.5m (about 1.6feet) away from any flammable materials (decoration etc.).



When clamp mounting; always use and install the supplied safety cable as an added safety measure to prevent accidental damage in the event of a clamp failure. See the

4



Please note that when the lotus lamp is powered on, do not plug and unplug the cable interface between the controller and the lotus lamp, so as not to damage the lotus lamp.

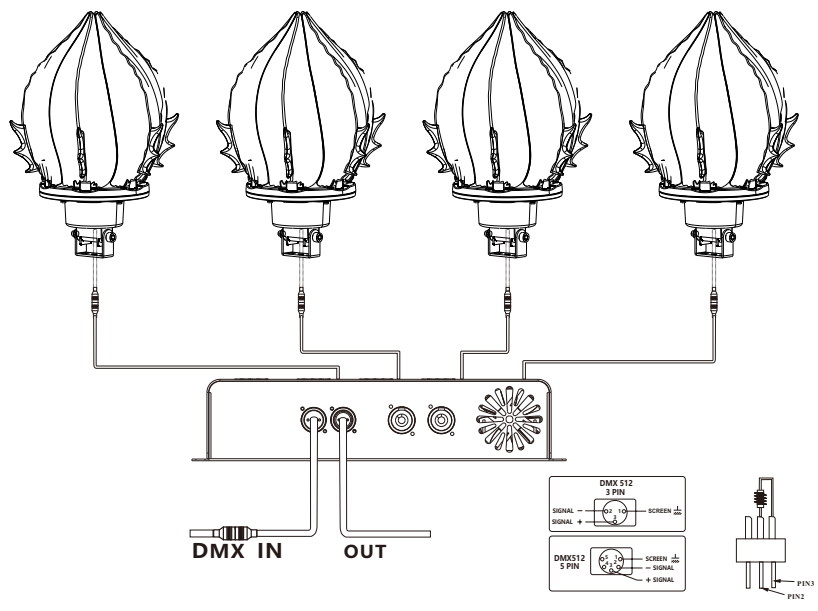
Power cord color numbers and power connections are listed in the table below:

Conductor	Symbol	Wire Color (EU models)	Wire Color (US models)
live	L	brown	black
neutral	N	blue	white
ground(earth)	 or 	yellow-green	green

Connecting to the mains supply ---Fig 4

- Connection to the electricity mains must be carried out by a qualified electrical
- After doing the above operation and making sure all the devices had been installed with natural operate, press the power switch to check whether every -thing is working normally.

5

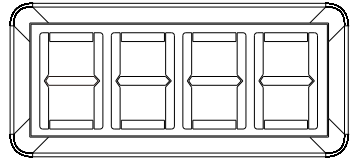


Connecting to the control signal line (DMX) - Fig. 5

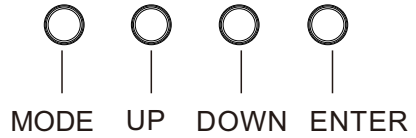
- © Please use the round 3 or 5-pin XLR plugs & sockets offered by menu factory to connect the first projector's output to the second projector's input and connect the second projector's output to the third projector's input. And in the same way for the rest, eventually connect the last projector's output, all the projectors are together.
- © The projectors's control signal output or input by using the 3 or 5-pin XLR plug and socket. If need to lengthen the communication cable, please make sure the both side of 3 or 5-pin plug is one to one . (one to one, two to two, three to three). Otherwise, the communication cable will be interrupted. The communicate cable is 2-cord screened cable 75Ω resistance with each core is at least a 0.5mm diameter. (Caution: All the inside leading wire of 3 or 5-pin XLR plug couldn't touch each other or plinth).
- © Recommend to use the DMX signal terminator for the installation to avoid the electronic noise damage the digital control signal. Simply speaking, DMX terminator is an XLR connector with a 120Ω 1/2W resistor connected across pin 2 and 3. Which is then plugged into the output socket on the last projector in the chain. Refer to the connection.

CONTROL PANEL

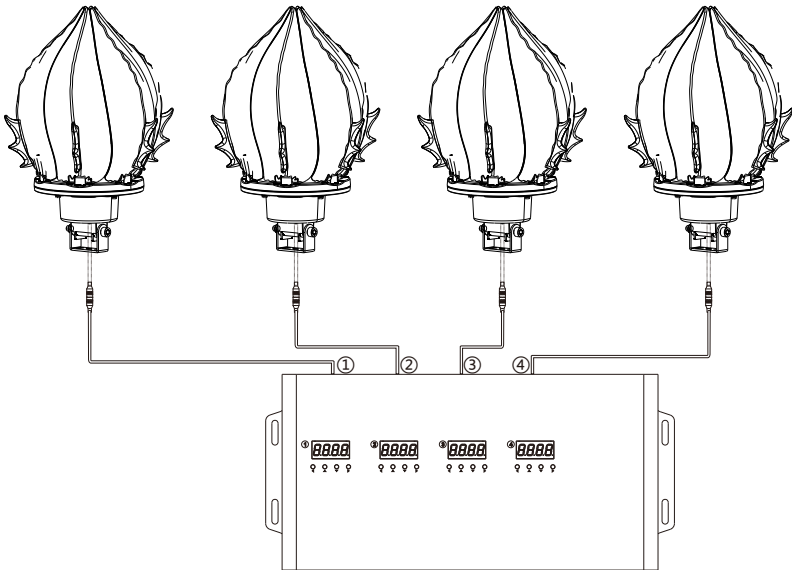
1



- Mode : Esc
- Up arrowhead : page up
- Down arrowhead : page down
- Enter : OK or Enter page



2



©The control box has a total of 4 display panels, each display panel corresponds to a lotus lamp, and each lotus lamp can be set with different address codes.

MENU SETTING

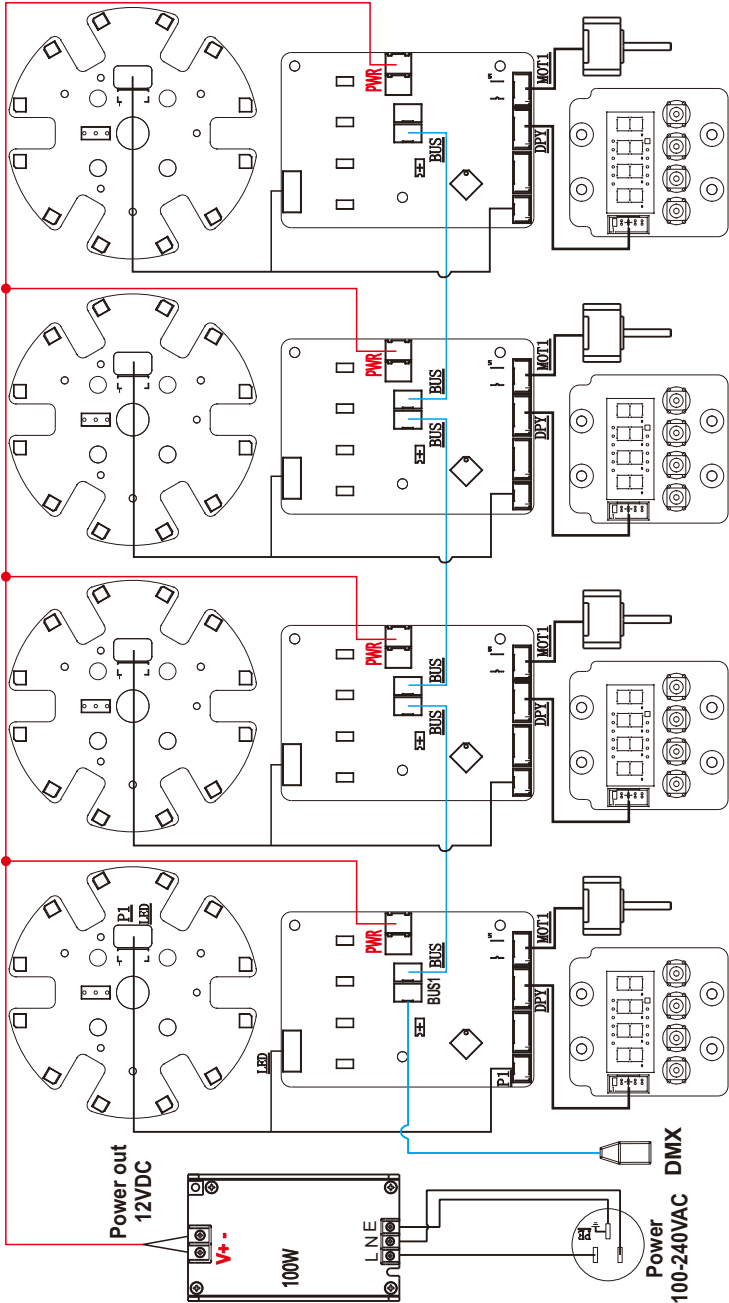
Main menu		I Menu		II Menu		III Menu
Address	→	1-512				
Manual Control	→	Dimmer	→	0 - 255		
		Strobe	→	0 - 255		
		Red	→	0 - 255		
		Green	→	0 - 255		
		Blue	→	0 - 255		
		White	→	0 - 255		
		Color Mac.	→	0 - 255		
		Zoom	→	0 - 255		
		Zoom Speed	→	0 - 255		
Setup	→	Mode	→	DMX		
			→	Slave		
			→	Master		
		Color Mode	→	Light blue		
			→	Pink		
			→	Purple		
			→	Light yellow		
			→	White		
			→	Rainbow		
			→	Random		
		Zoom switch	→	On		
			→	Off		
		Zoom Speed	→	1 - 10		
		Zoom timer	→	0.1S - 3S		
Zoom rand	→	On				
	→	Off				
Version info	→	VX.XX				

CHANNEL FUNCTION

Channel (9CH)

Channel	DMX	Percentage	Function	Note
1	0 - 255	0-100	Dimmer	
2	0 - 255	0-100	Strobe	
3	0 - 255	0-100	Red	
4	0 - 255	0-100	Green	
5	0 - 255	0-100	Blue	
6	0 - 255	0-100	White	
7	0 - 255	0-100	Color Mac.	
8	0 - 255	0-100	Zoom	
9	0 - 255	0-100	Zoom Speed	

Circuit connecting diagram



CLEANING AND MAINTENANCES

- 1. In order to ensure the fixture could work normally. It should be kept clean always .
The lotus petals should also be regularly cleaned to maintain an optimum light output.
Do not use any type of solvent on lens. It will damage the fixture.
- 2. Suggestion: The continue usage of the light don't exceed 4 hours. Or it will shorter the usage of the lamp. Please use the alternative operation to solve this problem.
The fixture power ON time is best not over 48 hours, or it would generate lamp protection procedure.
- 3. Please disconnect the power supply when begin to maintenance take down the fixture.
Please let the parts cool down 10 minute at least then begin to install.
- 4. Please do clear the hot-sak one time a month at least.
- 5. After the lantern color paper performance, please check whether there is waste paper inside the lotus petals to avoid affecting the light effect

CAUTION!

Disconnect from mains before starting maintenance operation.

TROUBLESHOOTING

It is recommended some solution for some normal trouble shooting. Any inextricability problems should always be handling by the professional person. Disconnect the power supply before maintenance the fixture.

■ LED off :

- ⊙ Please check if install the suitable voltage
- ⊙ Please check whether the led will reach the end of their life can explode; please replace a same description led.
- ⊙ Please check if the power supply is enough.
- ⊙ Please check whether the DMX 512 controller pass the "turn on" order.

■ The fixture couldn't accept the control order:

- ⊙ Please check the start code address and the function option are correct.
- ⊙ Please check whether the communicate control cable is on good connection or the cable is too long or interrupt.
- ⊙ Please check the control system is not valid, check the signal amplifier of chain connected is valid.
- ⊙ Please check whether the communicate cable is too long or the other equipment is mutually conjugate.
- ⊙ Please arrange the wire well, shorter the signal cable, put the high voltage cable and low voltage cable separately.
- ⊙ Add the signal amplify isolator.
- ⊙ Signal cable is used the excellent screening doublet (Resistance 75 OHM)
- ⊙ The end of the light end and the end resistance.

■ The fixture can't move

- ⊙ Please check if the power supply is suitable for the light voltage data.
- ⊙ Please check the light if they are deformation, inside parts is broken, become wet etc will lead the loose contact.
- ⊙ Please check the if the inside lead wire and the connector is loose.
- ⊙ Please check the electric parts(such as the transformer,PCB board,contrller) is short-circuit or burn down.

DUTY EXONERATIVE AND COPYRIGHT PROTECTION

- The light source belongs to consumption products that is not guarantee to keep it in good repair.
- Any products broken that didn't according to the instruction is not guarantee to keep it in good repair.
- The commentary for all the instruction belongs to the supplier in final
- No authorize can't copy.
- The information in this manual may be changed in the future,the company reserve the right to change the data without any advise.